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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/581,090

02/16/2007

Andy Ho

22409-00393-US

9471

30678

7590

03/17/2008

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WASHINGTON, DC 20036

EXAMINER

TRINH, MINH N

ART UNIT

PAPER NUMBER

3729

MAIL DATE

DELIVERY MODE

03/17/2008

PAPER

Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

Office Action Summary	Application No. 10/581,090	Applicant(s) HO ET AL.	
	Examiner Minh Trinh	Art Unit 3729	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 20 January 2008.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) See Continuation Sheet is/are pending in the application.
- 4a) Of the above claim(s) 21-28,32,33,38,39,43-48,51,52,54-57 and 61-63 is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1,3,5-8,10-12 and 14-17 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|---|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____ |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date <u>5/31/06</u> . | 6) <input type="checkbox"/> Other: _____ |

Continuation of Disposition of Claims: Claims pending in the application are 1,3,5-8,10-12,14-17,21-28,32,33,38,39,43-48,51,52,54-57 and 61-63.

DETAILED ACTION

Election/Restrictions

1. Applicant's election without traverse of Group IA, claims 1, 3, 508, 10-12 and 14-17 in the reply filed on 2/11/08 is acknowledged. Claims are 21-28,32,33,38,39,43-48,51,52,54-57 and 61-63 withdrawn from further consideration pursuant to 37 CFR 1.142(b) as being drawn to a nonelected inventions, there being no allowable generic or linking claim. Election was made **without** traverse dated 2/11/08.

Specification

2. The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.

Claim Rejections - 35 USC § 102

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 1, 3, 5-8 are rejected under 35 U.S.C. 102(b) as being anticipated by E. R Pfaff (2824306).

E.R. Pfaff discloses a method of forming and connecting an antenna to a feedthrough member of a housing, the method comprising the steps of:

positioning the feedthrough member 37 and an antenna template 5 relative to each other (see Fig. 3);

connecting a first portion of at least one electrically conducting wire 30 to said feedthrough member 37; winding said wire 30 at least once around the antenna template 5; and connecting a second portion of each wire to said feedthrough member 37 (see Fig. 3).

As applied to claims 3, 5-6 and (see Fig. 3, depicts the limitations of claims 3, 5-6 such as mounting the feedthrough 37 to a workspace member as 1).

As applied to claim 7, note embodiment Figs. 1-2 show the feedthrough 2 both ends of the rod 5 having post 10 or 3 extending therethrough.

Limitations of claims 8, 10-12 and 15 are also met by the above reference (see Fig. 3).

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

Claims 14-15 are rejected under 35 U.S.C. 103(a) as being unpatentable over E.R. Pfaff.

Regarding the material associated in claims 14-15, it would have been an obvious matter of design choice to choose any desired materials such as that recited in the above claims since applicant has not disclosed that these features are critical, patentably distinguishing features and it appears that the invention would perform

equally well with the materials such as polyethylene coating as taught by the prior art reference (see col. 4, lines 64-66).

6. Claim 16 is rejected under 35 U.S.C. 103(a) as being unpatentable over E.R. Pfaff .

Regarding claim 16, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to have the feedthrough and the antenna to be removed from the workspace in order to obtain an antenna assembly.

Additionally, regarding the removing step above. It would have been obvious to one having ordinary skill in the art at the time the invention was made to employ the limitation of claim 16 at the end of the process in order to obtain an antenna device, since it has been held that a mere reversal of the essential working parts of a device involves only routine skill in the art. *In re Einstein*, 8 USPQ 167.

7. Claim 17 is rejected under 35 U.S.C. 103(a) as being unpatentable over E.R. Pfaff in view of Tuttle et al (5779839)

Regarding limitation of claim 17, E.R. Pfaff is silent about the encapsulation process. However, the Tuttle discloses that see col. 14, lines 32-36. Therefore, it would have been obvious to one having ordinary skill in the art at the time of the invention was made to employ the Tuttle's teaching as described above onto the invention of E.R. Pfaff such modification would provide the proper protection of the connections as well as the component antenna thereto.

Conclusion

8. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Minh Trinh whose telephone number is (571) 272-4569. The examiner can normally be reached on Monday -Thursday 8:00 am to 4:30 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Peter Vo can be reached on (571) 272-4690. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

mt

3/10/08

/Minh Trinh/
Primary Examiner, Art Unit 3729